

ABSTRACT

A method for controlling start of a compression ignition engine having a plurality of cylinders is provided without a cam sensor is provided. Each cylinder includes a respective piston reciprocally movable between respective top and bottom positions along a cylinder longitudinal axis. The method comprises providing a respective fuel delivery assembly for each cylinder. In one embodiment the method further comprises retrieving from memory a set of fuel delivery assembly firing rules and then processing the firing rules so that a firing signal is delivered to each fuel delivery assembly on every crank revolution during a cranking mode of operation. The fuel delivery assembly is arranged to be responsive to any firing signal received during an injection window leading to the top position along the longitudinal axis so as to supply fuel to each cylinder during that injection window. The fuel delivery assembly is further arranged to be insensitive to any firing signal received during an exhaust stroke leading to the top position along said longitudinal axis so that no fuel is delivered to each cylinder during that exhaust stroke.